

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF MAINLINE EXCLUSIVE LEFT TURN PHASING AT THE INTERSECTION OF MD 210 (INDIAN HEAD HIGHWAY) AND FARMINGTON ROAD IN PRINCE GEORGE'S COUNTY. ALL TRAFFIC SIGNAL HEADS WILL BE UPGRADED TO LED. ALL PRESENCE AND SETBACK DETECTION WILL REMAIN. MD 210 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH PROPOSED MAINLINE EXCLUSIVE LEFT-TURN PHASING.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CONTROLLER SHALL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Brian Young
Assistant District Engineer - Traffic
Phone: 301-513-7358

Mr. Augie Rebish
Assistant District Engineer - Utility
Phone: 301-513-7350

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7650

The Power Company Representative Is:
Potomac Electric Power Company
4061 Powder Mill Road, Suite 600
Calverton, Maryland 20705
Phone: 301-931-2880

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
9571	25 SF	UPDATED 1 SHEET ALUMINUM MAST ARM/ POLE MOUNTED SIGN
		1 EA - ASSOCIATED SHIELD ASSEMBLY "NORTH, MD 210, LEFT ARROW" (48 IN. X 75 IN.)

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO QUANTITY DESCRIPTION

NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

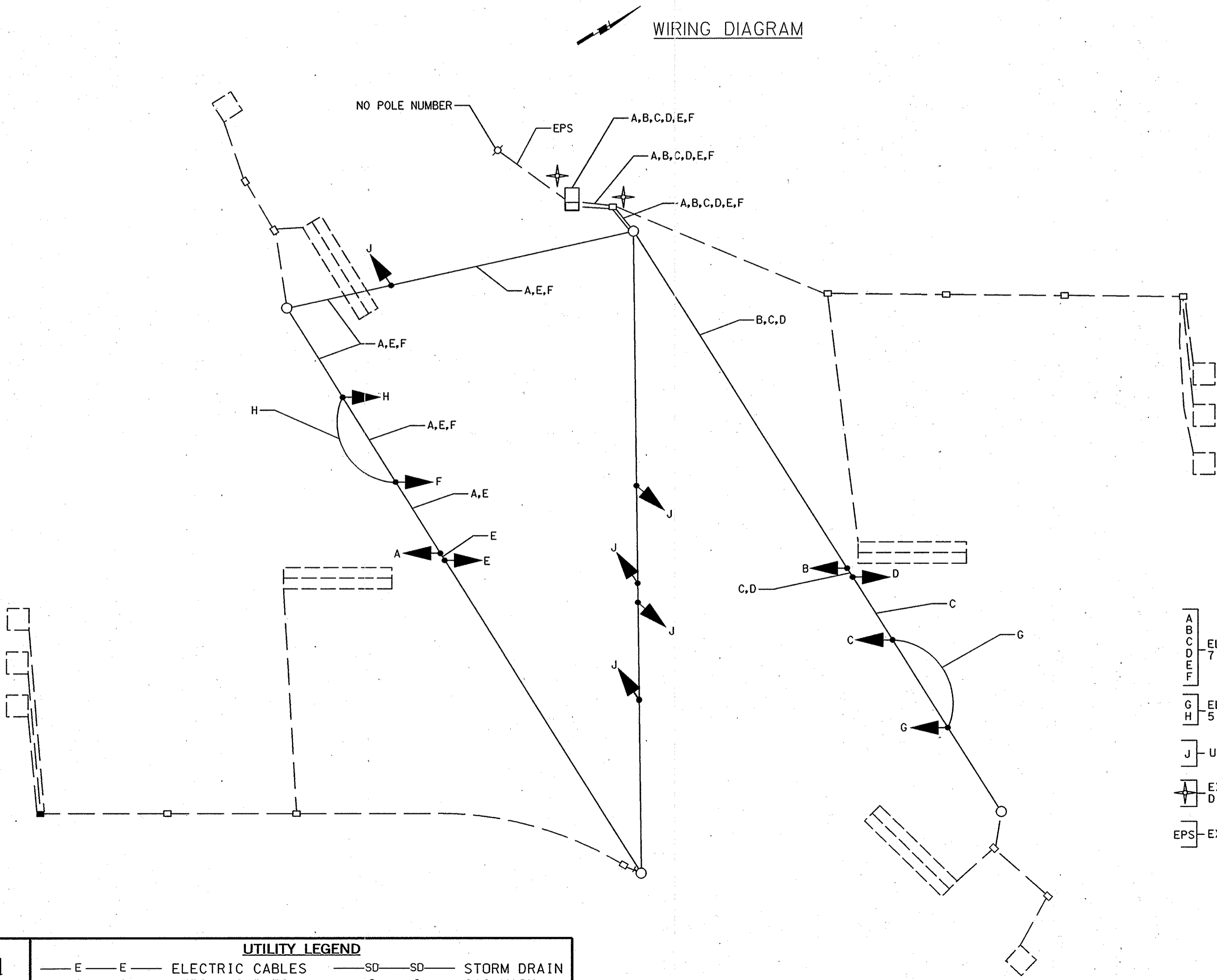
EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5004	160 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
8001	39 EA	12 INCH (R,Y,G) LED SIGNAL HEAD SECTION
8016	1 EA	REBUILD HANDHOLE - NEW FRAME & COVER
8017	1 EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8028	25 SF	RELOCATE EXISTING SIGN
8046	25 SF	INSTALL OVERHEAD SIGN
8060	65 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8061	1280 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	
PHASE 1 & 5	→G	→G	R	R	→G	→G	R	R	R	R	R	R	R	
PHASE 1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASE: 1 & 6, 2 & 5, OR 2 & 6													
PHASE 1 & 6	→G	→G	G	G	→R	→R	R	R	R	R	R	R	R	
PHASE 1 CHANGE	→Y	→Y	G	G	→R	→R	R	R	R	R	R	R	R	
PHASE 2 & 5	→R	→R	R	R	→G	→G	G	G	R	R	R	R	R	
PHASE 5 CHANGE	→R	→R	R	R	→Y	→Y	G	G	R	R	R	R	R	
PHASE 2 & 6	→R	→R	G	G	→R	→R	G	G	R	R	R	R	R	
PHASE 2 & 6 CHANGE	→R	→R	Y	Y	→R	→R	Y	Y	R	R	R	R	R	
PHASE 4 & 8	→R	→R	R	R	→R	→R	R	R	G	G	G	G	G	
PHASE 4 & 8 CHANGE	→R	→R	R	R	→R	→R	R	R	Y	Y	Y	Y	Y	
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	



- A ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
- B ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
- C ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
- D ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
- E ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
- F ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
- G ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
- H ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
- J USE EXISTING WIRING
- EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
- EPS-EXISTING UNDERGROUND POWER SOURCE

TOD NO: AT925-08
SHA No.: PG587A51/B51
MD 210 @ Farmington Road

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 210 (INDIAN HEAD HIGHWAY) AND FARMINGTON ROAD

GENERAL INFORMATION

SCALE	NONE	DATE	03/2007	CONTRACT NO.	AT9255185
DESIGNED BY	SBS	COUNTY	PRINCE GEORGE'S		
DRAWN BY	SBS	LOGMILE	16021004.81		
CHECKED BY	BAB	TIMS NO.	H297		
FAP NO.		TOD NO.			

TS NO.	TS-3355B-GI	SHEET NO.	2	OF	2
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STV Incorporated
engineers/architects/planners/construction managers
7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112

UTILITY LEGEND			
—E—E—	ELECTRIC CABLES	—SD—SD—	STORM DRAIN
—A—A—	AERIAL CABLES	—G—G—	GAS MAIN
—T—T—	TELEPHONE CABLES	—W—W—	WATER MAIN
—F—F—	FIBER-OPTIC	—S—S—	SEWER MAIN